**Designation:** NCIB 8455 [DSM 14882]

**Deposited Name:** Ferrobacillus ferrooxidans

**Product Description:** Type strain. Formerly Thiobacillus ferrooxidans. Organism used in genome sequencing project.

**Medium**
ATCC® Medium 2039: Acidithiobacillus ferrooxidans Medium

**Growth Conditions**

- **Temperature:** 26°C
- **Atmosphere:** Aerobic

**Propagation Procedure**

1. Incubate test tube cultures under above conditions upon receipt. It is helpful to incubate test tubes in a slanted position to increase gas exchange in broth. Transfer culture to fresh media within one week of arrival.
2. Gently vortex the test-tube to dislodge the iron that has oxidized onto the glass. Aseptically withdraw approximately 1.0 mL of the broth culture and transfer into 5 mL of fresh broth.
3. Incubate the broth either on a shaker or in a static and slanted position.
4. Growth is evident within one week, when yellow-orange iron oxide deposits are observed.
5. Transfer the culture approximately every two weeks.

**Notes**

The cells are motile and rod-shaped.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

**References**

References and other information relating to this product are available online at www.atcc.org.

**Biosafety Level:** 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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